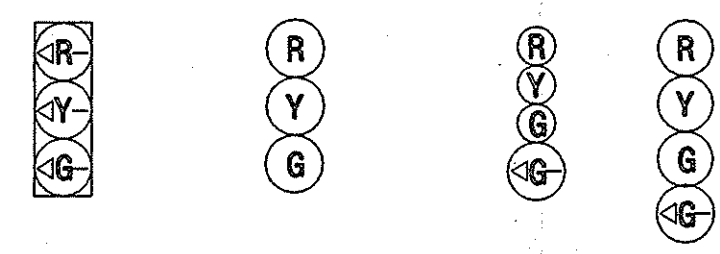


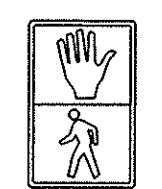
EXISTING SIGNALS TO REMAIN

1,2,3, 4,5,6,10, 7,8,9 11,12,15,18 13,16 14,17



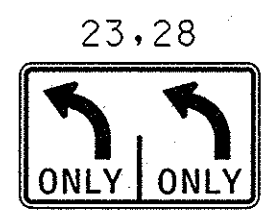
EXISTING SIGNALS TO BE REMOVED

19a, 20a

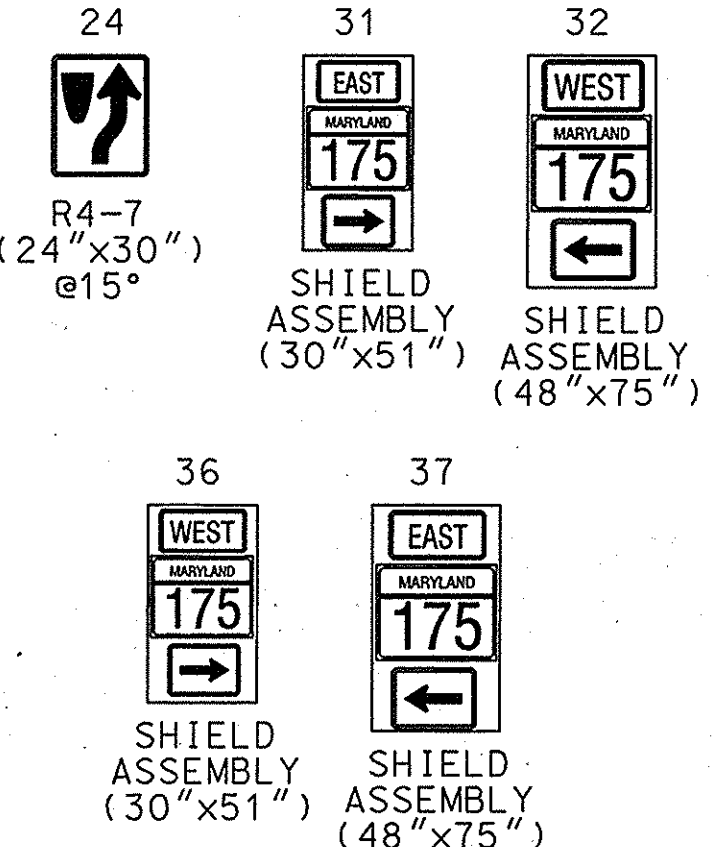


EXISTING SIGNS TO REMAIN

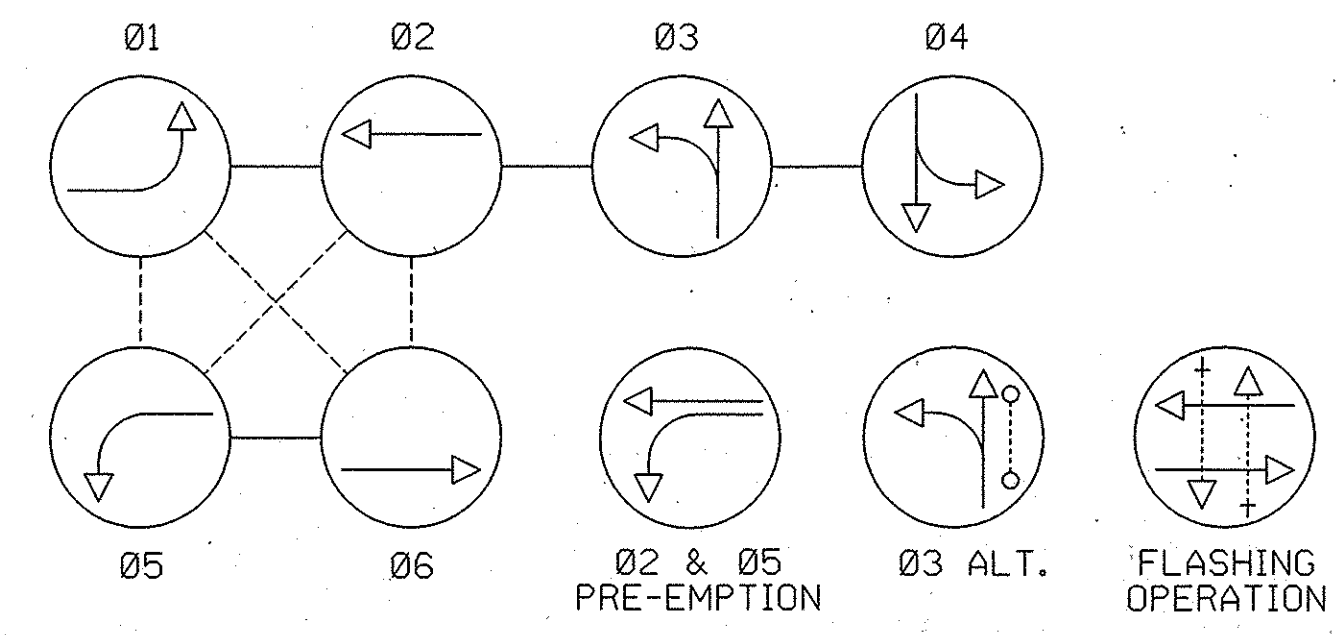
21,25,27,29 THUNDER HILL ROAD DUAL FACED



PROPOSED SIGNS

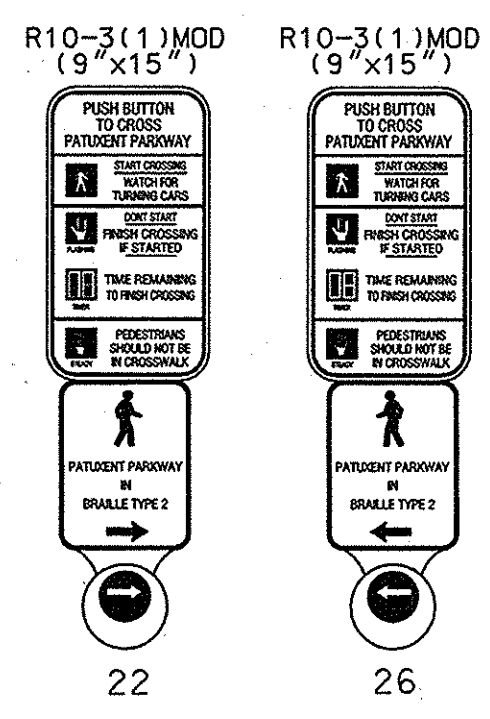


NEMA PHASING

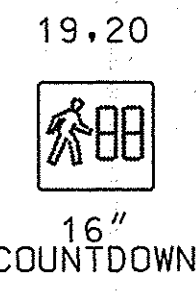


NOTE: PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

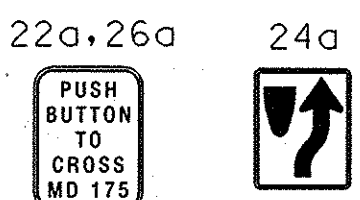
PROPOSED ACCESSIBLE PUSHBUTTON AND SIGN



PROPOSED LED SIGNALS



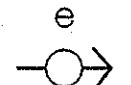
EXISTING SIGNS TO BE REMOVED



EXISTING VIDEO DETECTION

a, b, c, d

EXISTING OPTICOM



MD 175 (PATUXENT PARKWAY)

MD 175 (PATUXENT PARKWAY)

TO TAMAR DRIVE

THUNDER HILL ROAD

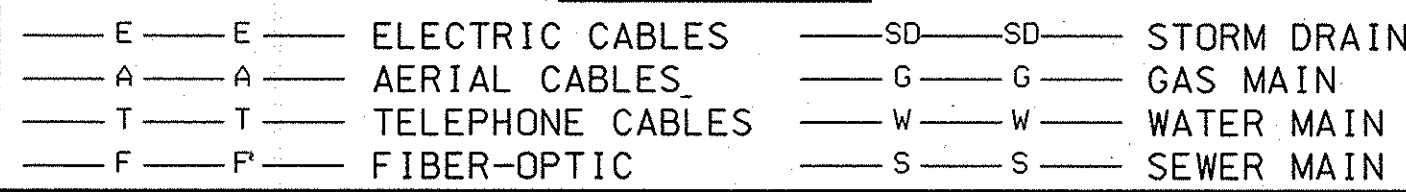
GENERAL NOTES

1. MAINTENANCE OF TRAFFIC SHALL BE HANDLED BY THE CONTRACTOR UTILIZING THE MSHA STANDARD PLATES FOR TRAFFIC CONTROL.
2. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. THE CONTRACTOR SHALL CONTACT MISS UTILITY PRIOR TO INSTALLATION OF SIGNAL EQUIPMENT TO VERIFY ALL UNDERGROUND UTILITIES. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
3. WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ROUTING AND PROPERLY LABELING ALL SIGNAL CABLES. THE SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING.
5. ALL ACCESSIBLE PEDESTRIAN CONTROL EQUIPMENT SHALL BE DELIVERED TO SHA FOR TESTING AND PROGRAMMING PRIOR TO INSTALLATION. CONTACT MR. EDWARD RODENHIZER TO COORDINATE AT 410-787-7650.
6. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE MSHA STANDARDS.

GEOMETRIC LEGEND



UTILITY LEGEND



GENERAL NOTES CONTINUED

7. THE CONTRACTOR SHALL CENTER PROPOSED CROSSWALK ON THE PROPOSED RAMP.
8. SEE GENERAL INFORMATION SHEET FOR PROPOSED PEDESTAL POLE, APS, AND CROSSWALK/STOPLINE DETAILS.
9. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED ELECTRICAL CABLES.
10. MEDIAN NOSE TO BE RELOCATED BY OTHERS.
11. THE CONTRACTOR SHALL ENSURE THE SIGNAL REMAINS OPERATIONAL DURING THE SIGNAL MODIFICATIONS.
12. THE CONTRACTOR MAY CONTACT MR. CEDRIC WARD AT 410-787-7619 TO OBTAIN A FULL SIZE COPY OF THE PLANS.
13. THE DETECTABLE WARNING SURFACE SHALL BE INSTALLED BY OTHERS.
14. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG. 4E.2; AND THE NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE." IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS THE CONFLICT HAS BEEN RESOLVED. IF NEEDED, A DESIGN WAIVER SHALL BE OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.
15. PUSHBUTTON IS TO BE LOCATED SO THAT A PEDESTRIAN IN A WHEELCHAIR LOCATED ON THE LEVEL LANDING AREA DOES NOT HAVE TO REACH MORE THAN 18 IN.
16. THE 10 FT. SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER OF POLE TO CENTER OF POLE.
17. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR FROM A 60 IN. x 60 IN. LEVEL LANDING AREA. A LEVEL LANDING AREA IS AN AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
18. THE CONTRACTOR SHALL INTEGRATE PROPOSED/EXISTING CONCRETE FOUNDATIONS WITH NEW CURB/SIDEWALK RAMP WHERE NECESSARY.

STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 175 (PATUXENT PARKWAY) AT THUNDER HILL ROAD

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20'	DATE 10-25-85	CONTRACT NO. HO-681-501-771
DESIGNED BY	COUNTY	HOWARD
DRAWN BY J. GIORGILLI	LOGMILE	13017506.13
CHECKED BY G. SIMMERS	T.I.M.S. NO.	H951
F.A.P. NO.	TOD NO.	
TS NO. 30C	DRAWING SG - 1 OF 6	SHEET NO. OF

APPROVALS	REVISIONS
TEAM LEADER	1. INSTALL APS AND LED COUNTDOWN PEDESTRIAN SIGNAL HEADS. SHA# HO3715177
ASST. DIV. CHIEF	2. INSTALL ADD. SIGNAL HEAD ON MD 175 AND THUNDER HILL. CONTRACT NO. AT7582185 10/04
DIVISION CHIEF	3. JWB JWB DAZ BRK
OFFICE DIRECTOR	4. A. INSTALL OPTICOM FOR FIREHOUSE AND UPGRADE SIG. HEADS TO BLACK-FACE 10/01
	MEL MAR DAZ BRK JK

BY: THOMPSON

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7125 Ambassador Road Baltimore, MD 21244-2722 (410) 944-9112